

Name: _____

Date: _____

FOIL and Factor solution (version 110)

FOIL the expressions shown below:

1. $(x - 1)(x - 4)$

$$x^2 - 5x + 4$$

2. $(x - 7)(x - 1)$

$$x^2 - 8x + 7$$

3. $(x + 1)(x - 9)$

$$x^2 - 8x - 9$$

4. $(x - 1)(x - 3)$

$$x^2 - 4x + 3$$

5. $(x + 1)(x + 3)$

$$x^2 + 4x + 3$$

Factor the expressions shown below:

6. $x^2 + 14x + 45$

$$(x + 5)(x + 9)$$

7. $x^2 - 2x - 35$

$$(x - 7)(x + 5)$$

8. $x^2 - 9$

$$(x + 3)(x - 3)$$

9. $x^2 - 5x - 6$

$$(x - 6)(x + 1)$$

10. $x^2 - 14x + 45$

$$(x - 9)(x - 5)$$